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(Annual summary)

POTASH & PHOSPHATE INSTITUTE
CALENDAR YEAR POTASH REPORT SUMMARY
(Short Tons K₂O)

	CANADIAN PRODUCERS			UNITED STATES PRODUCERS			TOTAL CANADIAN & U.S. PRODUCERS		
	1981	1980	Change %	1981	1980	Change %	1981	1980	Change %
Beginning Inventory	621,175	416,323	+ 49.2%	295,954	274,016	+ 8.0%	917,129	690,339	+ 32.9%
(+) Production	7,908,639	8,047,130	- 1.7%	2,361,290	2,469,670	- 4.4%	10,269,929	10,516,800	- 2.3%
(-) Ending Inventory	1,441,449	621,175	+132.1%	571,412	295,954	+ 93.1%	2,012,861	917,129	+119.5%
(=) Total Disappearance	7,088,365	7,842,278	- 9.6%	2,085,832	2,447,732	- 14.8%	9,174,197	10,290,010	- 10.8%
(-) Exports	2,009,463	2,392,036	- 16.0%	565,209	899,978	- 37.2%	2,574,672	3,292,014	- 21.8%
(=) Disappearance-Canada & United States	5,078,902	5,450,242	- 6.8%	1,520,623	1,547,754	- 1.8%	6,599,525	6,997,996	- 5.7%

POTASH & PHOSPHATE INSTITUTE
REPORT OF POTASH PRODUCTION, INVENTORY, DISAPPEARANCE & SALES
TOTAL BY U. S. & CANADIAN PRODUCERS
CALENDAR YEAR 1981 AND 1980

	PRODUCTION K ₂ O		ENDING INVENTORY K ₂ O DECEMBER 31		DISAPPEARANCE K ₂ O	
	1981	JANUARY-DECEMBER 1980	TOTAL 1981	TOTAL 1980	1981	JANUARY-DECEMBER 1980
Spec. Std. Muriate	127,158	226,868	56,667	41,881	112,372	220,921
Standard Muriate	3,129,117	2,873,690	729,289	291,499	2,691,327	2,862,285
Chemical Muriate	114,350	120,355	1,544	2,422	115,228	125,134
Coarse Muriate	3,203,386	3,404,525	553,012	192,374	2,842,748	3,346,568
Granular Muriate	2,445,399	2,568,922	359,113	161,588	2,247,874	2,510,917
Soluble Muriate	827,579	878,186	184,713	136,906	779,772	791,236
Sulphates	422,940	444,234	128,523	90,459	384,876	432,949
Total	10,269,929	10,516,800	2,012,861	917,129	9,174,197	10,290,010

	AGRICULTURAL SALES K ₂ O				NON-AGRICULTURAL SALES K ₂ O				TOTAL SALES K ₂ O	
	U.S. & CANADA		EXPORTS		U.S. & CANADA		EXPORTS		AG & NON-AG	
	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980
Spec. Std. Muriate	9,883	21,096	70,191	186,778	-	-	-	-	80,074	207,874
Standard Muriate	958,410	1,037,177	1,637,344	1,730,629	188,994	169,144	5,805	5,826	2,790,553	2,942,776
Chemical Muriate	-	-	-	-	108,692	111,605	1,209	1,337	109,901	112,942
Coarse Muriate	2,523,824	2,734,138	307,749	620,580	-	-	-	-	2,831,573	3,354,718
Granular Muriate	1,802,944	1,954,169	316,695	471,134	-	-	-	-	2,119,639	2,425,303
Soluble Muriate	484,027	502,903	76,228	75,060	136,709	125,767	64,888	75,601	761,852	779,331
Sulphates	259,987	288,163	93,695	124,240	4,785	5,915	868	829	359,335	419,147
Total	6,039,075	6,537,646	2,501,902	3,208,421	439,180	412,431	72,770	83,593	9,052,927	10,242,091

POTASH & PHOSPHATE INSTITUTE
REPORT OF POTASH PRODUCTION, INVENTORY, DISAPPEARANCE & SALES
BY CANADIAN PRODUCERS
CALENDAR YEAR 1981 AND 1980

	PRODUCTION K ₂ O		ENDING INVENTORY K ₂ O DECEMBER 31		DISAPPEARANCE K ₂ O	
	1981	JANUARY-DECEMBER 1980	TOTAL 1981	TOTAL 1980	1981	JANUARY-DECEMBER 1980
Spec. Std. Muriate	127,158	226,888	56,667	41,881	112,372	220,921
Standard Muriate	2,131,614	1,932,222	449,130	177,621	1,860,105	1,920,493
Chemical Muriate	75,674	77,045	1,276	1,544	75,942	79,963
Coarse Muriate	2,893,500	3,029,020	478,946	152,210	2,566,764	2,977,577
Granular Muriate	1,887,791	1,945,700	277,184	116,819	1,727,426	1,889,881
Soluble Muriate	792,902	836,255	178,246	131,100	745,756	753,443
Total	7,908,639	8,047,130	1,441,449	621,175	7,088,365	7,842,278

	AGRICULTURAL SALES K ₂ O				NON-AGRICULTURAL SALES K ₂ O				TOTAL SALES K ₂ O	
	U.S. & CANADA		EXPORTS		U.S. & CANADA		EXPORTS		AG & NON-AG	
	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980
Spec. Std. Muriate	9,883	21,096	70,191	186,778	-	-	-	-	80,074	207,874
Standard Muriate	524,128	594,121	1,373,052	1,360,927	58,808	65,433	152	-	1,956,140	2,020,481
Chemical Muriate	-	-	-	-	69,946	67,347	693	821	70,639	68,168
Coarse Muriate	2,338,090	2,522,673	222,805	463,749	-	-	-	-	2,560,895	2,986,422
Granular Muriate	1,388,977	1,577,093	201,602	237,394	-	-	-	-	1,590,579	1,814,487
Soluble Muriate	464,979	485,079	76,080	75,060	120,546	113,390	64,888	67,307	726,493	740,836
Total	4,726,057	5,200,062	1,943,730	2,323,908	249,300	246,170	65,733	68,128	6,984,820	7,838,268

POTASH & PHOSPHATE INSTITUTE
CANADIAN PRODUCERS POTASH SALES
(Short Tons K₂O)
CALENDAR YEAR 1981

AGRICULTURAL UNITED STATES	STANDARD MURIATE	COARSE MURIATE	GRANULAR MURIATE	SOLUBLE MURIATE	TOTAL
Alabama	33,413	19,276	13,425	13,260	79,374
Arkansas	1,395	3,811	6,595	6,947	13,748
Colorado	62	13	76	687	838
Connecticut	-	2,760	1,018	202	3,980
Delaware	-	-	20,336	468	20,804
Florida	40,544	10,128	5,950	8,873	65,495
Georgia	49,119	4,174	24,771	37,117	115,181
Hawaii	-	4,303	-	-	4,303
Idaho	-	1,155	779	-	1,934
Illinois	48,200	539,235	69,598	75,801	732,834
Indiana	28,606	259,371	39,221	65,639	392,837
Iowa	23,983	221,973	199,590	82,115	527,661
Kansas	251	2,449	1,165	3,009	6,874
Kentucky	7,238	53,676	28,767	3,344	93,025
Louisiana	3,349	1,125	4,888	2,593	11,955
Maine	2,683	3,424	1,644	125	7,276
Maryland	2,603	6,520	10,928	3,580	23,631
Massachusetts	-	122	1,578	308	2,008
Michigan	14,885	130,237	25,021	2,180	172,323
Minnesota	2,110	116,333	299,136	21,815	439,394
Mississippi	2,858	10,458	5,786	2,307	21,409
Missouri	27,128	38,014	97,137	19,575	181,854
Montana	681	578	9,396	545	11,200
Nebraska	4,159	5,218	8,535	9,506	27,418
New Hampshire	-	-	362	-	362
New Jersey	2,442	2,295	1,245	1,461	7,443
New York	23,359	34,888	21,210	9,482	88,939
North Carolina	21,684	6,061	55,230	11,994	94,969
North Dakota	164	8,654	14,728	377	23,923
Ohio	88,718	304,342	90,035	27,099	510,194
Oklahoma	-	216	113	121	450
Oregon	143	7,978	11,454	510	20,085
Pennsylvania	4,299	18,361	14,330	4,497	41,487
Rhode Island	36	246	613	624	1,519
South Carolina	13,627	11,245	18,725	6,007	49,604
South Dakota	-	2,794	8,386	1,281	12,461
Tennessee	13,887	17,089	51,838	9,174	91,988
Texas	-	-	-	123	123
Utah	-	14	32	-	46
Vermont	-	496	2,729	784	4,009
Virginia	9,951	5,676	29,469	7,418	52,514
Washington	11,077	10,794	11,006	1,392	34,269
West Virginia	549	2,996	1,708	498	5,751
Wisconsin	44,207	226,270	84,972	17,699	373,148
Wyoming	222	887	184	132	1,425
TOTAL U.S.	527,632	2,095,655	1,293,709	460,669	4,377,665
CANADA					
Alberta	3,191	530	17,520	909	22,150
Br. Columbia	29	2,283	7,407	107	9,826
Manitoba	37	6,085	14,961	731	21,814
New Brunswick	-	10,823	-	-	10,823
Nova Scotia	-	3,810	-	-	3,810
Ontario	599	153,790	39,497	(2,715)	191,171
Pr. Edw. Isle	-	9,410	95	-	9,505
Quebec	740	53,694	12,164	150	66,748
Saskatchewan	1,783	2,010	3,624	5,128	12,545
TOTAL CANADA	6,379	242,435	95,268	4,310	348,392
EXPORTS	1,443,243	222,805	201,602	76,080	1,943,730
TOTAL AGRIC.	1,977,254	2,560,895	1,590,579	541,059	6,669,787

POTASH & PHOSPHATE INSTITUTE
CANADIAN PRODUCERS POTASH SALES
(Short Tons K₂O)
CALENDAR YEAR 1981

<u>NON-AGRICULTURAL UNITED STATES</u>	<u>STANDARD MURIATE</u>	<u>COARSE MURIATE</u>	<u>GRANULAR MURIATE</u>	<u>SOLUBLE MURIATE</u>	<u>TOTAL</u>
Alabama	25,284	-	-	12,815	38,099
Arkansas	-	-	-	928	928
Delaware	28,900	-	-	61	28,961
Florida	-	-	-	252	252
Georgia	-	-	-	1,412	1,412
Illinois	17,294	-	-	5,038	22,332
Indiana	3,700	-	-	189	3,889
Iowa	-	-	-	878	878
Kansas	563	-	-	124	687
Kentucky	11,401	-	-	439	11,840
Louisiana	-	-	-	438	438
Maryland	746	-	-	63	809
Massachusetts	62	-	-	-	62
Michigan	1,532	-	-	1,087	2,619
Minnesota	-	-	-	188	188
Mississippi	10,482	-	-	126	10,608
Missouri	2,809	-	-	1,633	4,442
Montana	44	-	-	-	44
Nebraska	-	-	-	451	451
New Jersey	75	-	-	249	324
New York	-	-	-	45,188	45,188
North Carolina	125	-	-	1,792	1,917
North Dakota	103	-	-	-	103
Ohio	10,906	-	-	38,929	49,835
Oregon	1,521	-	-	-	1,521
Pennsylvania	501	-	-	946	1,447
South Carolina	-	-	-	225	225
Tennessee	-	-	-	270	270
Texas	-	-	-	94	94
Virginia	1,028	-	-	439	1,467
Wyoming	796	-	-	-	796
TOTAL U.S.	117,872	-	-	114,254	232,126
<u>CANADA</u>					
Alberta	5,479	-	-	1,072	6,551
Br. Columbia	22	-	-	-	22
Manitoba	22	-	-	15	37
Ontario	1,547	-	-	5,125	6,672
Quebec	102	-	-	-	102
Saskatchewan	3,710	-	-	80	3,790
TOTAL CANADA	10,882	-	-	6,292	17,174
EXPORTS	845	-	-	64,888	65,733
TOTAL NON-AGRIC.	129,599	-	-	185,434	315,033
GRAND TOTAL	2,106,853	2,560,895	1,590,579	726,493	6,984,820

POTASH & PHOSPHATE INSTITUTE

U. S. PRODUCERS POTASH SALES

(Short Tons K₂O)

CALENDAR YEAR 1981

AGRICULTURAL UNITED STATES	STANDARD MURIATE	COARSE MURIATE	GRANULAR MURIATE	SOLUBLE MURIATE	SULPHATES	TOTAL
Alabama	16,457	7,139	12,321	-	5,241	41,158
Arizona	3,321	-	42	-	1,148	4,511
Arkansas	199	11,412	27,822	645	1,008	41,086
California	23,322	14,262	1,483	1,248	21,352	61,667
Colorado	20,654	957	7,607	747	2,964	32,929
Connecticut	-	490	165	-	473	1,128
Delaware	-	-	3,292	-	460	3,752
Florida	39,939	2,520	3,012	-	40,572	86,043
Georgia	39,437	4,332	7,623	28	22,425	73,845
Hawaii	1,488	9,690	11	-	975	12,164
Idaho	1,245	7,335	449	-	6,361	15,390
Illinois	1,406	21,730	11,151	-	3,162	37,449
Indiana	-	2,397	507	-	5,550	8,454
Iowa	3,033	9,143	25,304	46	752	38,278
Kansas	3,598	4,359	22,879	856	1,218	32,910
Kentucky	4,178	8,340	12,846	-	33,799	59,163
Louisiana	5,275	12,599	28,631	2,815	151	49,471
Maine	-	-	148	-	1,152	1,300
Maryland	-	773	1,149	62	2,067	4,051
Massachusetts	-	-	422	31	102	555
Michigan	30	469	-	-	2,055	2,554
Minnesota	-	1,077	2,731	-	2,175	5,983
Mississippi	203,775	5,686	7,250	418	1,752	218,881
Missouri	6,259	19,109	54,315	802	1,025	81,510
Montana	-	-	-	-	146	146
Nebraska	2,644	1,866	14,875	642	11,281	31,308
Nevada	-	-	-	60	-	60
New Hampshire	-	-	120	-	20	140
New Jersey	-	585	462	-	274	1,321
New Mexico	1,768	174	269	205	1,308	3,724
New York	-	958	3,011	-	2,580	6,549
North Carolina	3,530	909	12,619	-	15,518	32,576
North Dakota	-	-	-	-	94	94
Ohio	-	1,475	604	-	6,244	8,323
Oklahoma	1,115	5,017	19,148	275	831	26,386
Oregon	74	1,069	188	6	1,507	2,844
Pennsylvania	-	1,731	3,857	-	1,869	7,457
Rhode Island	-	-	239	-	53	292
South Carolina	9,577	1,503	11,720	-	9,594	32,394
South Dakota	-	78	1,177	-	97	1,352
Tennessee	12,018	9,496	27,971	7	6,069	55,561
Texas	27,019	13,665	81,091	10,108	12,789	144,672
Utah	442	230	154	16	113	960
Vermont	-	-	420	-	489	909
Virginia	-	185	2,828	-	2,438	5,451
Washington	1,079	281	151	-	2,968	4,479
Wisconsin	168	2,677	1,738	-	4,904	9,487
Wyoming	1,232	16	165	31	492	1,936
TOTAL U.S.	434,282	185,734	413,967	19,048	239,622	1,292,653
CANADA						
Alberta	-	-	-	-	217	217
Br. Columbia	-	-	-	-	831	831
Manitoba	-	-	-	-	158	158
New Brunswick	-	-	-	-	30	30
Ontario	-	-	-	-	12,408	12,408
Pr. Edw. Isle	-	-	-	-	325	325
Quebec	-	-	-	-	6,385	6,385
Saskatchewan	-	-	-	-	11	11
TOTAL CANADA	-	-	-	-	20,365	20,365
EXPORTS	264,292	84,944	115,093	148	93,695	558,172
TOTAL AGRIC.	698,574	270,678	529,060	19,196	353,682	1,871,190

POTASH & PHOSPHATE INSTITUTE

U. S. PRODUCERS POTASH SALES

(Short Tons K₂O)

CALENDAR YEAR 1981

NON-AGRICULTURAL UNITED STATES	STANDARD MURIATE	COARSE MURIATE	GRANULAR MURIATE	SOLUBLE MURIATE	SULPHATES	TOTAL
Alabama	18,728	-	-	809	-	19,537
Arizona	323	-	-	19	37	379
Arkansas	306	-	-	-	288	594
California	13,235	-	-	189	617	14,041
Colorado	165	-	-	92	27	284
Delaware	629	-	-	-	159	708
Florida	916	-	-	-	-	916
Georgia	101	-	-	25	181	307
Idaho	151	-	-	15	-	166
Illinois	9,689	-	-	40	-	9,729
Indiana	1,441	-	-	-	-	1,441
Iowa	335	-	-	-	-	335
Kansas	3,519	-	-	329	80	3,928
Kentucky	3,581	-	-	-	-	3,581
Louisiana	2,375	-	-	1,465	526	4,366
Maine	50	-	-	-	-	50
Maryland	406	-	-	-	21	427
Massachusetts	581	-	-	-	-	581
Michigan	-	-	-	-	319	319
Mississippi	397	-	-	-	-	397
Missouri	733	-	-	29	1,224	1,986
Nebraska	1,326	-	-	-	13	1,339
Nevada	446	-	-	-	243	689
New Jersey	253	-	-	62	357	672
New Mexico	34,995	-	-	2,436	-	37,431
New York	9	-	-	13	-	22
Ohio	1,064	-	-	353	-	1,417
Oklahoma	13,480	-	-	2,284	105	15,869
Oregon	21	-	-	-	-	21
Pennsylvania	2,433	-	-	149	21	2,603
Rhode Island	146	-	-	-	-	146
South Carolina	-	-	-	249	22	271
Tennessee	101	-	-	-	-	101
Texas	50,713	-	-	7,388	294	58,395
Utah	2,234	-	-	60	31	2,325
Virginia	-	-	-	81	-	81
Washington	2,842	-	-	-	26	2,868
West Virginia	31	-	-	-	-	31
Wisconsin	501	-	-	-	-	501
Wyoming	635	-	-	58	130	823
TOTAL U.S.	168,891	-	-	16,145	4,721	189,757
CANADA						
Alberta	41	-	-	-	26	67
Br. Columbia	-	-	-	18	26	44
Manitoba	-	-	-	-	12	12
TOTAL CANADA	41	-	-	18	64	123
EXPORTS	6,169	-	-	-	868	7,037
TOTAL NON-AGRIC.	175,101	-	-	16,163	5,653	196,917
GRAND TOTAL	873,675	270,678	529,060	35,359	359,335	2,068,107

POTASH & PHOSPHATE INSTITUTE
REPORT OF POTASH PRODUCTION, INVENTORY, DISAPPEARANCE & SALES
BY U. S. PRODUCERS
CALENDAR YEAR 1981 AND 1980

	PRODUCTION K ₂ O		ENDING INVENTORY K ₂ O DECEMBER 31		DISAPPEARANCE K ₂ O	
	1981	JANUARY-DECEMBER 1980	TOTAL 1981	TOTAL 1980	1981	JANUARY-DECEMBER 1980
Standard Muriate	997,503	941,468	280,159	113,878	831,222	941,792
Chemical Muriate	38,676	43,310	268	878	39,286	45,171
Coarse Muriate	309,886	375,505	74,066	40,164	275,984	368,991
Granular Muriate	557,608	623,222	81,929	44,769	520,448	621,036
Soluble Muriate	34,677	41,931	6,467	5,806	34,016	37,793
Sulphates	422,940	444,234	128,523	90,459	384,876	432,949
Total	2,361,290	2,469,670	571,412	295,954	2,085,832	2,447,732

	AGRICULTURAL SALES K ₂ O				NON-AGRICULTURAL SALES K ₂ O				TOTAL SALES K ₂ O		
	U.S. & CANADA		EXPORTS		U.S. & CANADA		EXPORTS		AG & NON-AG		
	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1981	JAN-DEC 1980	1980
Standard Muriate	434,282	443,056	264,292	369,702	130,186	103,711	5,653	5,826	834,413	922,295	
Chemical Muriate	-	-	-	-	38,746	44,258	516	516	39,262	44,774	
Coarse Muriate	185,734	211,465	84,944	156,831	-	-	-	-	270,678	368,296	
Granular Muriate	413,967	377,076	115,093	233,740	-	-	-	-	529,060	610,816	
Soluble Muriate	19,048	17,824	148	-	16,163	12,377	-	8,294	35,359	38,495	
Sulphates	259,987	288,163	93,695	124,240	4,785	5,915	868	829	359,335	419,147	
Total	1,313,018	1,337,584	558,172	884,513	189,880	166,261	7,037	15,465	2,068,107	2,403,823	